

CLAIMS

I. A construction system for constructing massively dwellings or of the like, that shall be at least in 5 days after preliminary work using rock masonry, comprising:

- (a) preparing precast items, sills and headers for window, and sills and headers for doors using templates for,
- (b) making wood molds, which can have any chosen shape and size, thereby accommodate any type of opening of a building,
- (c) pouring into said wood molds concrete, and after said concrete hardening,
- (d) reinforcing the precasts with two rebars, one said rebar shall be at least one and a half inches from the top of said precasts, and the other one at least one and a half inches from the bottom of thereof, so the reinforcement fulfills the function of beams, thereby said precasts shall resist shear and diagonal stresses, and in the intervening time,
- (e) drilling holes to exterior and interior wall molds, the molds can be at least of panels of plywood, approximately of four by eight inches, and to said exterior wall molds shall be nailed wales to of about two by four, to be used numerous times in constructing numerous building units,
- (f) preparing one of various foundations where trenches are dug using a color code of perimeter molds,
- (g) filling said trenches with one layer of the rocks that are poured over concrete to form a slab floor which guarantees space for soil volume, and before concrete hardening
- (h) embedding a structure of rebars and stirrups on the perimeter for setting pipes of at least plumbing, electrical lines, telephone lines, and television cable inside, thereby protecting them against rock masonry, and also for anchoring wall molds
- (i) erecting exterior wall molds following a predetermined color and graphic code to dispose the wall molds into their correct position, and using shoring elements to straighten said wall molds into a perfect vertical position, on one side of the structure and on the other side is erected interior wall molds following said predetermined color and graphic code, and inserting ties of said exterior mold into said interior molds to tighten both together, thereby said structure is sandwiching said exterior and interior molds and ready for

- (j) inserting the precast sill against and in between returns, on which is placed a window, and on which is placed the precast header,
- (k) placing a door against and in between returns, on which is placed the precast header, thereby, holding all the foregoing items, and the walls are ready for,
- (l) pouring into said walls concrete masonry, and before said concrete hardening,
- (m) embedding a construction material on top of walls for anchoring concrete T-beams and firmly connect thereof to said walls,
- (n) setting on top of platform of a roof a material for providing temperature insulation to roof and forming a stem of the T-beams, thereby, overriding the cost of forming stems of said T-beams, and
- (o) placing a metallic mesh on top for reinforcing T-beams, and for setting pipes of at least plumbing, electrical lines, telephone lines, and television cable, and after reinforcement,
- (p) pouring concrete over and finish the slab roof, leaving the supporting platform for a day, thereby is moved to the next construction site the following day to built a roof in one day,
- (q) whereby, said wall form and said pipes are swiftly installed so costs are reduced in terms of paying hours work to the labor,
- (r) whereby, said wall is not made of wood but relatively said concrete with said rocks or other material instead of said rocks costs are again reduced in terms of material cost.

II. The construction system of Claim I wherein said using rock masonry, it is not constrained to said rocks since several other construction materials can be used instead of thereof, provided the material coheres well to concrete and thereof is a high percentage in volume of construction material used, thereby, possibilities are limitless, as rubble from a war zone or natural disasters, used tires, ginger bread, and numerous other materials can be used instead of said rock.

III. The precast items of Claim I wherein said templates means for making said precast items' production automatic, thereby, as many as needed can be produced avoiding the precasts not being produced under specifications required, and the production done swiftly by unskilled labor.

- IV. The wood molds of Claim I wherein said opening of a building containing said opening selected from the group consisting of at least windows and doors, and panels of glass or any other materials.
- V. The wood molds of Claim I wherein said concrete shall have a compressive strength no less than 500 pounds per square inch.
- VI. The concrete of Claim V wherein said the compressive strength shall be tested for seven days.
- VII. Pouring into said wood molds of Claim I wherein said concrete shall be cured for at least twenty-eight days at a temperature above 50°F without moving them, after pouring.
- VIII. The reinforcing wherein said rebars form a structure with rod stirrups or hangers.
- IX. The rebars of Claim VIII wherein said rod stirrups mean stirrups of at least made of rods of one quarter inch less in diameter than said rebars, and in U-shape bents.
- X. The rod stirrups of Claim IX wherein said U-shape bents mean for holding said rebars with at least an 18 gauge twisted wire, and at distances of no more than four inches center to center.
- XI. The exterior and interior wall molds of Claim I wherein said drilling holes mean drilling at a dimension to let ties pass from end to end, and distance between the holes and number of said holes on the wall molds shall be according to width and height of hereof under engineering calculations, thereby size of the walls is not restricted.

XII. The perimeter of mold of Claim I wherein said color code means for indicating unskilled labor where to dig said trenches, whereby, even the illiterate or foreigner labor can perform efficiently said digging.

XIII. The exterior wall molds of Claim I wherein said color and graphic code means for indicating unskilled labor where to install the wall molds, whereby, even illiterate or overseas labor can execute erection of said wall molds by the book.

XIV. The precast of Claim I wherein said return means nailed strips of a lumber of 2 inches thick by half of jamb's dimension minus width length, with a length equal to wall's height, set at a right angle to the interior face of exterior and interior wall molds.

XV. The precast of Claim I wherein said return means for holding openings of a building and precast items, and a stop, as thereof shall outline the ends for concrete masonry in between openings.

XVI. The pouring into said walls of Claim I wherein said concrete masonry mean about two feet height of concrete, for sinking into said concrete rocks of a dimension no greater than the thickness of said walls and pressing with sticks to accommodate into said concrete, and then repeating the same process of pouring said concrete and later said rocks until the wall forms are filled to the peak.

XVII. On top of walls of Claim I wherein said a construction material containing the material selected from the group consisting of a steel structure of rebars and stirrups and trapezoidal pipes.

XVIII. The construction material of Claim XVII wherein said steel structure of rebars and stirrups means for a roof or deck that shall be of concrete.

XIX. The construction material of Claim XVII wherein said trapezoidal pipes mean for a roof or deck that shall be at least of metal or wood or joists trusses or rafters for holding connectors for roof's elements.

XX. On top of walls of Claim I wherein said T-beams mean a reinforced concrete beam having a cross section resembling letter T.

XXI. The T-beams of Claim XX wherein said reinforced concrete beam mean at least metal bars, rods, wires, or other slender members designed under structural engineering calculations and embedded into the concrete, thereby the metal structure and said concrete together resist at least forces from loads of living traffic, and wind, snow and other conditions imposed to roof.

XXII. On top of platform of Claim I wherein said material for providing temperature insulation containing the material selected from the group consisting of rigid insulation panels and hollow concrete blocks.

XXIII. The roof of Claim I wherein said pouring concrete shall consider engineering calculations for stipulating the adequate proportions of Portland cement, sand, gravel, water and chemical additives necessary to move a supporting platform the day after the concrete pour.